

527, 552

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
1 April 2004 (01.04.2004)

PCT

(10) International Publication Number  
**WO 2004/026902 A1**

- (51) International Patent Classification<sup>7</sup>: C07K 14/37, C12N 15/80, 9/16, 15/82 (74) Agent: GRUBB, Phillip; Novartis AG, Corporate Intellectual Property, CH-4002 Basel (CH).
- (21) International Application Number: PCT/EP2003/010289 (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LT, LU, LV, MA, MD, MK, MN, MX, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SE, SG, SK, SY, TJ, TM, TN, TR, TT, UA, US, UZ, VC, VN, YU, ZA, ZW.
- (22) International Filing Date: 16 September 2003 (16.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English (84) Designated States (*regional*): Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR).
- (30) Priority Data: A 1397/2002 17 September 2002 (17.09.2002) AT
- (71) Applicant (*for all designated States except US*): SANDOZ GMBH [AT/AT]; Biochemiestrasse 10, A-6250 Kundl (AT). Published:  
— with international search report  
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): KÜRNSTEINER, Hubert [AT/AT]; Mitte 172, A-6300 Angerberg (AT). FRIEDLIN, Ernst [CH/AT]; Obere Dorfstrasse 99, A-6336 Langkampfen (AT).  
*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: PROCESS FOR PRODUCTION OF CEPHALOSPORIN C

(57) Abstract: The present invention relates to isolated nucleic acid molecules which code for a new protein from Acremonium chrysogenum, to vectors which comprise such a nucleic acid molecule, to Acremonium chrysogenum host cells which have been transformed with such a vector and to a method for production of cephalosporin C using such transformed host cells.



WO 2004/026902 A1